

WHAT IS CLAIMED IS:

1. A data processing apparatus for processing audio data and a plurality of screens of still image data that are related with each other in parallel, comprising:

5 a calculating means for calculating an error between a virtual processing amount and a real processing amount of said audio data at a predetermined cycle; and
an adjusting means for adjusting the number of screens of said still image data on the basis of the error calculated by said calculating means.

2. A data processing apparatus according to claim 1, further comprising:

10 a counting means for counting the number of screens of the processed still image data; and

an accumulating means for accumulating the real processing amount of said audio data at every one screen period, wherein said calculating means acquires a difference between a first accumulated value obtained by accumulating the virtual processing amount corresponding to one screen on the basis of a count value by said counting means
15 and a second accumulated value obtained by said accumulating means.

3. A data processing apparatus according to claim 1 or 2, wherein said adjusting means includes a comparing means for comparing said error with the virtual processing amount of the audio data corresponding to N (N: integer one or more) screen (s), and an adjustment executing means for executing an adjustment on the basis of a comparison
20 result of said comparing means.

4. A data processing apparatus according to claim 3, wherein said adjustment executing means includes an increasing means for increasing the number of screens of said still image data when said error is a numerical value of a shortage, and a decreasing means for decreasing the number of screens of said still image data when said error is a
25 numerical value of a surplus.

5. A data processing apparatus according to claim 3 or 4, further comprising:
a memory for temporarily storing said plurality of screens of still image data; and
a reading means for reading the still image data stored in said memory in an order
complying with processing order information, wherein said adjustment executing means
5 creates said processing order information on the basis of the comparison result of said
comparing means.

6. A data processing apparatus according to any one of claims 3 to 5, further
comprising:

10 a first recording means for recording said audio data and said plurality of screens
of still image data in a recording medium; and

a second recording means for recording index information of each screen of the
still image data in said recording medium, wherein said adjustment executing means
performs thinning-out/interpolation on the index information to be recorded by said
second recording means on the basis of the comparison result of said comparing means.

15 7. A data processing apparatus according to any one of claims 1 to 6, wherein said
virtual processing amount indicates a numerical value that is approximate to said real
processing amount and suitable for calculation by software.

8. A video camera provided with a data processing apparatus according to any one
of claims 1 to 7.

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